

IN THE CLAIMS:

Amendments to the Claims

Please cancel claims 1-22 without prejudice or disclaimer of the subject matter thereof, and add the new claims in lieu thereof.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-22 (canceled)

23. (new) An information recording medium comprising:
a plurality of layers for recording or reproduction of information by optical irradiation;

wherein each of said layers includes asperities made up of a groove, the groove in each of the layers having wobbles of a first frequency and wobbles of a second frequency that is different from the first frequency within a single track;

wherein the first frequency is constant in each of the layers; and

wherein a different signal is obtained from the wobbles of the first and second frequencies in each of the plurality of layers.

24. (new) The information recording medium according to claim 23,
wherein a difference between the first and second frequencies is different in each of the plurality of layers.

25. (new) The information recording medium according to claim 24,
wherein the greater a distance between a light incidence side of the information

recording medium and a predetermined layer of the plurality of layers, the larger the difference between the first and second frequencies in the predetermined layer.

26. (new) The information recording medium according to claim 23, wherein a sum of the first and second frequencies is different in each of the plurality of layers.

27. (new) The information recording medium according to claim 23, wherein the first frequency is used for generating a synchronizing signal.

IN THE ABSTRACT OF THE DISCLOSURE:

Please replace the original abstract with the following new abstract:

ABSTRACT OF THE DISCLOSURE

An information recording medium comprising a plurality of layers for recording or reproduction of information by optical irradiation. Each of the layers of the recording medium includes asperities made up of a groove, wherein the groove in each of the layers has wobbles of a first frequency and wobbles of a second frequency that is different from the first frequency within a single track. The first frequency is constant in each of the layers, and a different signal is obtained from the wobbles of the first and second frequencies in each of the plurality of layers.